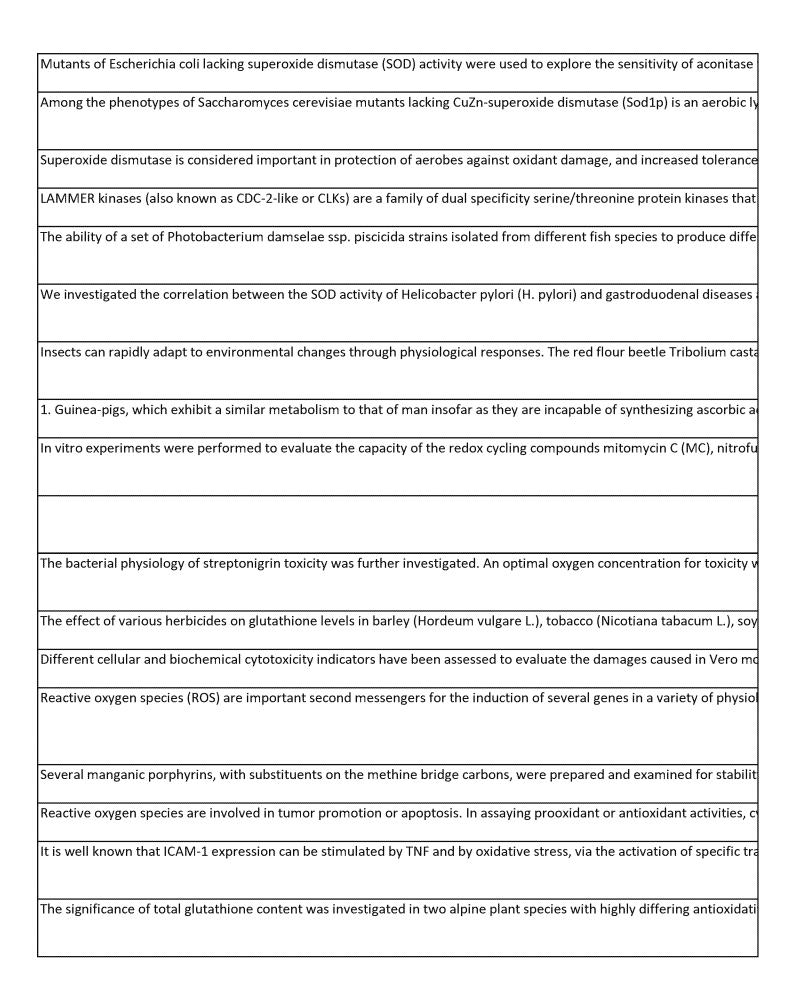
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Oxygen free radicals are thought to play an essential role in senescence, especially those derived from peroxisomes. The Lipid peroxidation has been implicated in a variety of pathophysiological processes, including inflammation, atherogenes The acute lethality of paraquat (1, 1'-dimethyl-4,4'-bipyridinium dichloride; also methyl viologen) for chicks was reduced The response of the chloroplastic antioxidant system of the cultivated tomato Lycopersicon esculentum (Lem) and its wil Salt damage to plants has been attributed to a combination of several factors including mainly osmotic stress and the acc To clarify the mechanism of cephalosporin nephrotoxicity, the cytotoxic effects of cephaloridine (CER), a nephrotoxic cep The role of active oxygen species and lipid peroxidation in the toxic effects of diquat, paraquat and other bipyridyl herbid BACKGROUND: Most prostate cancer cells respond to initial hormonal therapy; however, some of them eventually acqui AIMS: A better understanding of the role of antioxidant enzymes, superoxide dismutase (SOD) and catalase (CAT) in the ι Reactive oxygen species (ROS), including superoxide (O2.-/ HO2.) and hydrogen peroxide (H2 O2), are differentially prod Black-grass (Alopecurus myosuroides) is a major weed of wheat in Europe, with several populations having acquired resi This survey summarizes the findings, accumulated within the last 2 years, concerning melatonin's role in defending again Differnential sensitivity to the oxidant paraquat was observed in pea (Pisum sativum L.) based on cultivar and leaf age. To Growth of Saccharomyces cerevisiae ure2Delta mutant strain was investigated in the presence of diverse oxidant compo The expression of MDR1b coding mRNA is increased in alveolar type II cells from juvenile rat lung in culture. Hydrogen pe Ascorbate peroxidase (APX) isoenzymes, distributing in at least four distinct cell compartments, the chloroplastic stroma The antioxidative capacity of two lactic acid bacteria isolated from Kimchi, a Korean fermented food, was evaluated by m Although CuZn-superoxide dismutase (CuZnSOD) has been shown to reduce oxidative damage in several systems, the qu

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